



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of : Paper No. 6
WADE W. SMITH : Art Unit: 3629
Serial No: 10/055,164 : Examiner: Igor N. Borissov
Filed: October 29, 2001 : Docket No: WMS-15
For: WATER MANAGEMENT SYSTEM

Hon. Commissioner of Patents
and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING
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John L. Hoffmiller

Sir:

AMENDMENT

Responsive to the Office Action dated December 9, 2003,
applicant would like to make the following

REMARKS

Longini discloses a system for calculating energy use by
measuring flow volume with a flow meter.

Proffitt discloses a method for determining the composition
and flow rate of a multicomponent, multiphase fluid containing gas.

Proffitt uses temperature sensors on either side of a test
apparatus, pressure sensors on either side of the test apparatus
and flow meters on either side of the test apparatus.

The examiner also takes official notice of the well known
thermodynamic principle that flow is directly related to the square
root of pressure change.

The invention claimed in Claim 1 does not use a flow meter as
does Longini and Proffitt to determine flow.